ELSEVIER

Nuclear Engineering and Design 170 (1997) 195–196

Nuclear Engineering and Design

# Author Index of Volume 170

Belousov, S.I. and K.D. Ilieva, ASYNT—an adjoint synthesis method for neutron irradiation estimation on the vessels of VVER/PWR reactors 170 (1997) 27
Berger, E., see Saad, M. 170 (1997) 119

Cabrillat, J.C., J.P. Chauvin and M. Martini, The nuclear fuel cycle backend: The use of the CEA critical facilities for the assessment of the physics 170 (1997) 89
Chapman, T., H. Offer, W. Sanders and G. Rusack, Reduced stress welding process for nuclear plant piping 170 (1997) 81
Chauvin, J.P., see Cabrillat, J.C. 170 (1997) 89

Eickelpasch, N., H. Kalwa, H. Steiner and U. Priesmeyer, The application of mechanical and thermal cutting tools for the dismantling of activated internals of the reactor pressure vessels in the Versuchsatomkraftwerk, Kahl and the Gundremmingen Unit A 170 (1997) 175
Eickelpasch, N., see Steiner, H. 170 (1997) 165
Elkin, I., see Rohde, U. 170 (1997) 95

Foit, J.J., Modeling oxidic molten core-concrete interaction in WECHSL 170 (1997) 73

Gräber, U., see Haug, W. 170 (1997) 21
Grummer, R.G., see Misu, S. 170 (1997) 183

Haug, W. and U. Gräber, Introduction of a quality management system at the Gemeinschaftskernkraftwerk Neckar GMBH (GKN) 170 (1997) 21
Hoogenboom, J.E. and J.L. Kloosterman, Generation and validation of ORIGEN-S libraries for depletion and transmutation calculations based on JEF2.2 and EAF3 basic data 170 (1997) 107

Ilieva, K.D., see Belousov, S.I. 170 (1997) 27

Kahlert, W. and K. Lützow, The integrated management system as an auxiliary means for providing data for the probabilistic safety assessment 170 (1997) 59
Kalinenko, V., see Rohde, U. 170 (1997) 95
Kalwa, H., see Eickelpasch, N. 170 (1997) 175
Kambe, M. and M. Uotani, Innovative fast breeder reactor concept 'RAPID' for improvement of reactor performance and proliferation resistance 170 (1997) 9
Kawamura, M., see Yamate, K. 170 (1997) 35
Keck, B., F. Seibold, R. Wolf and A. Zeitz, Influence of fuel bundle loading errors on the subcriticality during refueling campaigns for the present BWR cores of KRB-II 170 (1997) 101
Kloosterman, J.L., see Hoogenboom, J.E. 170 (1997) 107
Krepper, E., Post test calculations to 11% break loca experiments on the integral test facility ISB-VVER using the thermalhydraulic code ATHLET 170 (1997) 3

Lützow, K., see Kahlert, W. 170 (1997) 59

Marin, A., see Negut, G. 170 (1997) 67
Martini, M., see Cabrillat, J.C. 170 (1997) 89
Misu, S. and R.G. Grummer, Calculation of BWR cycles with CASMO-3–MICROBURN-B and comparison with measurements 170 (1997) 183
Mori, M., see Yamate, K. 170 (1997) 35

Negut, G. and A. Marin, Cernavoda CANDU severe accident evaluation 170 (1997) 67

Oehmgen, T., Determining reliability parameters for personnel actions as a component in PSA for the Unterweser nuclear power station 170 (1997) 133
Offer, H., see Chapman, T. 170 (1997) 81

Prechtl, E., see Valencia, L. 170 (1997) 125
Priesmeyer, U., see Eickelpasch, N. 170 (1997) 175

Röbig, G., see Saad, M. 170 (1997) 119
Rohde, U., I. Elkin and V. Kalinenko, Analysis of a boron dilution accident for WWER-440 combining the use of the codes DYN3D and SiTap 170 (1997) 95
Rusack, G., see Chapman, T. 170 (1997) 81

Saad, M., E. Berger and G. Röbig, Concept for monitoring gaseous and aerosol-bound radioactive discharges from boiling and pressurized water reactor plants in the event of design basis and severe accidents 170 (1997) 119
Sanders, W., see Chapman, T. 170 (1997) 81
Seibold, F., see Keck, B. 170 (1997) 101
Seifert, E., Nuclear criticality safety considerations for CASTOR casks with spent fuel of the Rossendorf nuclear devices 170 (1997) 53
Steiner, H., N. Eickelpasch and H. Tegethoff, Experience with the dismantling of three secondary steam generators in unit A in Gundremmingen by the 'ice-sawing' technique 170 (1997) 165
Steiner, H., see Eickelpasch, N. 170 (1997) 175

Tegethoff, H., see Steiner, H. 170 (1997) 165
Uotani, M., see Kambe, M. 170 (1997) 9
Ushio, T., see Yamate, K. 170 (1997) 35

Valencia, L. and E. Prechtl, Back to the 'green field': the experience and the results gained from the decommissioning of the Niederaichbach nuclear power plant (KKN) 170 (1997) 125

Werner, H., Build-up of plutonium isotopes in HTR fuel elements: A comparison between computed prediction and chemical analysis 170 (1997) 147
Wolf, R., see Keck, B. 170 (1997) 101

Yamate, K., M. Mori, T. Ushio and M. Kawamura, Design of a gadolinia bearing mixed-oxide fuel assembly for pressurized water reactors 170 (1997) 35

Zeitz, A., see Keck, B. 170 (1997) 101

ELSEVIER

Nuclear Engineering and Design 170 (1997) 197–198

Nuclear Engineering and Design

# Subject Index of Volume 170

**Material properties**

ASYNT—an adjoint synthesis method for neutron irradiation estimation on the vessels of VVER/PWR reactors
S.I. Belousov, K.D. Ilieva 170 (1997) 27

Reduced stress welding process for nuclear plant piping
T. Chapman, H. Offer, W. Sanders, G. Rusack 170 (1997) 81

**Mechanical design, component fabrication and testing**

Post test calculations to 11% break loca experiments on the integral test facility ISB-VVER using the thermalhydraulic code ATHLET
E. Krepper 170 (1997) 3

Design of a gadolinia bearing mixed-oxide fuel assembly for pressurized water reactors
K. Yamate, M. Mori, T. Ushio, M. Kawamura 170 (1997) 35

Modeling oxidic molten core-concrete interaction in WECHSL
J.J. Foit 170 (1997) 73

Reduced stress welding process for nuclear plant piping
T. Chapman, H. Offer, W. Sanders, G. Rusack 170 (1997) 81

Influence of fuel bundle loading errors on the subcriticality during refueling campaigns for the present BWR cores of KRB-II
B. Keck, F. Seibold, R. Wolf, A. Zeitz 170 (1997) 101

Generation and validation of ORIGEN-S libraries for depletion and transmutation calculations based on JEF2.2 and EAF3 basic data
J.E. Hoogenboom, J.L. Kloosterman 170 (1997) 107

**Reactor concepts and systems analysis**

Innovative fast breeder reactor concept 'RAPID' for improvement of reactor performance and proliferation resistance
M. Kambe, M. Uotani 170 (1997) 9

Introduction of a quality management system at the Gemeinschaftskernkraftwerk Neckar GMBH (GKN)
W. Haug, U. Gräber 170 (1997) 21

The integrated management system as an auxiliary means for providing data for the probabilistic safety assessment
W. Kahlert, K. Lützow 170 (1997) 59

Determining reliability parameters for personnel actions as a component in PSA for the Unterweser nuclear power station
T. Oehmgen 170 (1997) 133

Experience with the dismantling of three secondary steam generators in unit A in Gundremmingen by the 'ice-sawing' technique
H. Steiner, N. Eickelpasch, H. Tegethoff 170 (1997) 165

Calculation of BWR cycles with CASMO-3-MICROBURN-B and comparison with measurements
St. Misu, R.G. Grummer 170 (1997) 183

**Safeguard engineering**

Nuclear criticality safety considerations for CASTOR casks with spent fuel of the Rossendorf nuclear devices
E. Seifert 170 (1997) 53

Concept for monitoring gaseous and aerosol-bound radioactive discharges from boiling and pressurized water reactor plants in the event of design basis and severe accidents
M. Saad, E. Berger, G. Röbig 170 (1997) 119

Back to the 'green field': the experience and the results gained from the decommissioning of the Niederaichbach nuclear power plant (KKN)
L. Valencia, E. Prechtl 170 (1997) 125
The application of mechanical and thermal cutting tools for the dismantling of activated internals of the reactor pressure vessels in the Versuchsatomkraftwerk, Kahl and the Gundremmingen Unit A
N. Eickelpasch, H. Kalwa, H. Steiner, U. Priesmeyer 170 (1997) 175

**Nuclear safety**

Cernavoda CANDU severe accident evaluation
G. Negut, A. Marin 170 (1997) 67
The nuclear fuel cycle backened. The use of the CEA critical facilities for the assessment of the physics
J.C. Cabrillat, J.P. Chauvin, M. Martini 170 (1997) 89
Analysis of a boron dilution accident for WWER-440 combining the use of the codes DYN3D and SiTap
U. Rohde, I. Elkin, V. Kalinenko 170 (1997) 95
Build-up of plutonium isotopes in HTR fuel elements. A comparison between computed prediction and chemical analysis
H. Werner 170 (1997) 147